

Title (en)
BEARING ASSEMBLY

Title (de)
LAGERANORDNUNG

Title (fr)
ENSEMBLE ROULEMENT

Publication
EP 4092282 A1 20221123 (EN)

Application
EP 21174541 A 20210518

Priority
EP 21174541 A 20210518

Abstract (en)
There is provided a bearing assembly (24). The assembly comprises a housing (32), a spherical bearing (26) located within the housing (32), and two outer races (34, 36) positioned between the spherical bearing (26) and the housing (32). The outer races (34, 36) are configured in sliding engagement with the spherical bearing (26) to allow the spherical bearing to rotate relative to the housing (32). The assembly comprises a tightening element (44) configured to engage a first of the two outer races and tighten the outer races against the spherical bearing, wherein the assembly is configured to provide a primary load path (98) from the tightening element (44) to the housing (32), wherein the primary load path (98) leads from the tightening element (44) to the housing (32) via the outer races (34, 36) whilst bypassing the spherical bearing (26).

IPC 8 full level
F16C 23/04 (2006.01); **F16C 11/06** (2006.01); **F16C 25/02** (2006.01); **F16C 35/02** (2006.01); **F16C 43/02** (2006.01)

CPC (source: EP US)
F16C 23/046 (2013.01 - EP US); **F16C 25/02** (2013.01 - EP); **F16C 35/02** (2013.01 - EP); **F16C 43/02** (2013.01 - EP US); **F16C 11/0614** (2013.01 - EP); **F16C 11/0647** (2013.01 - EP); **F16C 2229/00** (2013.01 - EP); **F16C 2326/43** (2013.01 - EP)

Citation (search report)
• [XII] US 5718517 A 19980217 - MORANDO JORGE A [US]
• [XA] JP 2002327737 A 20021115 - NTN TOYO BEARING CO LTD
• [A] US 4780000 A 19881025 - LEWIS RAYMOND M [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4092282 A1 20221123; BR 102022003349 A2 20221122; CA 3149129 A1 20221118; US 11971072 B2 20240430; US 2022373024 A1 20221124

DOCDB simple family (application)
EP 21174541 A 20210518; BR 102022003349 A 20220222; CA 3149129 A 20220216; US 202217735504 A 20220503